

CLAIMS

APP A2

1. A contactless portable object featuring a main chip and a main antenna enabling communication between said chip and a reader associated with said contactless portable object, said portable contactless object being characterized in that it also features at least one contactless peripheral device, having a function different than that of the main chip, not connected by ohmic contact to the latter and requiring only a small amount of energy to operate.
2. The portable object according to claim 1, in which said peripheral device includes a means for receiving energy and data.
3. The portable object according to claim 2, in which said means for receiving energy and data is a flat coil.
4. The portable object according to claim 3, in which said flat coil plays the role of a transformer secondary, the primary of which is formed by said main antenna, when the latter receives energy and data from a reader of said portable object through electromagnetic coupling.

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5. The portable object according to claim 4, in which the energy and said data transmitted by said main antenna are generated by said portable object reader.

6. The portable object according to claim 4, in which said data transmitted by said main antenna are generated by the main chip of said portable object.

7. The portable object according to anyone of the previous claims, in which said peripheral device includes a tuning capacitor enabling said device to be coupled to a reader.

8. The portable object according to the previous claim, in which the coupling of the device is obtained by combining tuning capacitors of said device and that of said main chip.

9. The portable object according to any one of the previous claims, characterized in that said contactless peripheral device is a display device.

10. The portable object according to any one of claims 1 to 8, characterized in that said contactless peripheral device is a secondary chip.

11. The portable object according to any one of claims 1 to 8, characterized in that said contactless peripheral device is a keyboard.

12. The portable device according to any one of the previous claims, in which said peripheral device can send a response to said portable object reader by using retromodulation, through said flat coil, coupled to the main antenna of said portable object.

13. The portable object according to any one of the previous claims, in which said peripheral device is built into said portable object, said flat coil being in the same plane as said main antenna of said portable object.

14. The portable object according to any one of claims 1 to 13, in which said peripheral device can be removed from said portable object.